Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application.

Listing of Claims:

Please amend the claims as follows without prejudice. No new matter has been added by way of these amendments.

We claim:

1. (Currently Amended) A method of well planning in a well planning system in response to input data including wellbore geometry and wellbore trajectory requirements, comprising the step of:

generating a summary of a drillstring for each hole section of a wellbore in response to said input data, the summary providing a drillstring design for the wellbore geometry of each hole section of the wellbore.

2. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore comprises the step of: generating an outer diameter of a first drill collar of said drillstring.

3. (Previously Presented) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a second drill collar of said drillstring.

4. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a heavy weight of said drillstring.

5. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a drill pipe of said drillstring.

6. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a maximum weight of a weight-on-bit in each hole section of said drill string.

7. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a first drill collar of said drillstring.

8. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a second drill collar of said drillstring.

9. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a heavy weight of said drillstring.

10. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a first drill collar of said drillstring.

11. (Previously Presented) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a second drill collar of said drillstring.

12. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a heavy weight of said drillstring.

13. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a drill pipe of said drillstring.

14. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a tensile risk of said drillstring.

15. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a cost figure associated with said drillstring.

16. (original) The method of claim 1, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a kick tolerance associated with said drillstring.

17. (original) The method of claim 2, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a second drill collar of said drillstring.

18. (original) The method of claim 17, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a heavy weight of said drillstring.

19. (original) The method of claim 18, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a drill pipe of said drillstring.

20. (original) The method of claim 19, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a maximum weight of a weight-on-bit in each hole section of said drill string.

21. (original) The method of claim 20, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a first drill collar of said drillstring.

22. (original) The method of claim 21, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a second drill collar of said drillstring.

23. (original) The method of claim 22, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a heavy weight of said drillstring.

24. (original) The method of claim 23, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a first drill collar of said drillstring.

25. (original) The method of claim 24, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a second drill collar of said drillstring.

26. (original) The method of claim 25, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a heavy weight of said drillstring.

27. (original) The method of claim 26, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a drill pipe of said drillstring.

28. (original) The method of claim 27, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a tensile risk of said drillstring.

29. (original) The method of claim 28, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a cost figure associated with said drillstring.

30. (original) The method of claim 29, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a kick tolerance associated with said drillstring.

31. (Currently Amended) A program storage device readable by a machine tangibly embodying a program of instructions executable by the machine to perform method steps for well planning in a well planning system in response to input data including wellbore geometry and wellbore trajectory requirements, said method steps comprising:

generating a summary of a drillstring for each hole section of a wellbore in response to said input data, the summary providing a drillstring design for the wellbore geometry of each hole section of the wellbore.

32. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore comprises the step of: generating an outer diameter of a first drill collar of said drillstring.

33. (Previously Presented) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a second drill collar of said drillstring.

34. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a heavy weight of said drillstring.

35. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a drill pipe of said drillstring.

36. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a maximum weight of a weight-on-bit in each hole section of said drill string.

37. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a first drill collar of said drillstring.

38. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a second drill collar of said drillstring.

39. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a heavy weight of said drillstring.

40. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a first drill collar of said drillstring.

41. (Previously Presented) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a second drill collar of said drillstring.

42. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a heavy weight of said drillstring.

43. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a drill pipe of said drillstring.

44. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a tensile risk of said drillstring.

45. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a cost figure associated with said drillstring.

46. (original) The program storage device of claim 31, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a kick tolerance associated with said drillstring.

47. (original) The program storage device of claim 32, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a second drill collar of said drillstring.

48. (original) The program storage device of claim 47, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a heavy weight of said drillstring.

49. (original) The program storage device of claim 48, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating an outer diameter of a drill pipe of said drillstring.

50. (original) The program storage device of claim 49, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a maximum weight of a weight-on-bit in each hole section of said drill string.

51. (original) The program storage device of claim 50, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a first drill collar of said drillstring.

52. (original) The program storage device of claim 51, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a second drill collar of said drillstring.

53. (original) The program storage device of claim 52, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a weight of a heavy weight of said drillstring.

54. (original) The program storage device of claim 53, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a first drill collar of said drillstring.

55. (Previously Presented) The program storage device of claim 54, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a second drill collar of said drillstring.

56. (original) The program storage device of claim 55, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a heavy weight of said drillstring.

57. (original) The program storage device of claim 56, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a length of a drill pipe of said drill string.

58. (original) The program storage device of claim 57, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a tensile risk of said drillstring.

59. (original) The program storage device of claim 58, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a cost figure associated with said drillstring.

60. (original) The program storage device of claim 59, wherein the step of generating a summary of a drillstring in each hole section of a wellbore further comprises the step of: generating a kick tolerance associated with said drillstring.

61. (original) The method of claim 1, further comprising the step of:

recording or displaying at least a portion of said summary of said drillstring in said each hole section of said wellbore on a recorder or display device.

62. (original) The method of claim 61, wherein the step of recording or displaying at least a portion of said summary of said drillstring in said each hole section of said wellbore on a recorder or display device is selected from a group consisting of:

recording or displaying an outer diameter of a first drill collar of said drillstring;

recording or displaying an outer diameter of a second drill collar of said drillstring;

recording or displaying an outer diameter of a heavy weight of said drillstring;

recording or displaying an outer diameter of a drill pipe of said drillstring;

recording or displaying a maximum weight of a weight-on-bit in each hole section of said drill string;

recording or displaying a weight of a first drill collar of said drillstring; recording or displaying a weight of a second drill collar of said drillstring;

recording or displaying a weight of a heavy weight of said drillstring;

recording or displaying a length of a first drill collar of said drillstring;

recording or displaying a length of a second drill collar of said drillstring;

recording or displaying a length of a heavy weight of said drillstring;

recording or displaying a length of a drill pipe of said drillstring;

recording or displaying a tensile risk of said drillstring; recording or displaying a cost figure associated with said drillstring; and

recording or displaying a kick tolerance associated with said drillstring.

63. (original) The program storage device of claim 31, further comprising the step of: recording or displaying at least a portion of said summary of said drillstring in said each hole section of said wellbore on a recorder or display device.

64. (original) The program storage device of claim 62, wherein the step of recording or displaying at least a portion of said summary of said drillstring in said each hole section of said wellbore on a recorder or display device is selected from a group consisting of: recording or displaying an outer diameter of a first drill collar of said drillstring; recording or displaying an outer diameter of a second drill collar of said drillstring; recording or displaying an outer diameter of a heavy weight of said drillstring; recording or displaying an outer diameter of a drill pipe of said drillstring; recording or displaying a maximum weight of a weight-on-bit in each hole section of said drill string; recording or displaying a weight of a first drill collar of said drillstring; recording or displaying a weight of a second drill collar of said drillstring; recording or displaying a weight of a heavy weight of said drillstring; recording or displaying a length of a first drill collar of said drillstring; recording or displaying a length of a second drill collar of said drillstring; recording or displaying a length of a heavy weight of said drillstring; recording or displaying a length of a drill pipe of said drillstring; recording or displaying a tensile risk of said drillstring; recording or displaying a cost figure associated with said drillstring; and recording or displaying a kick tolerance associated with said drillstring.

65. (Currently Amended) A method of generating and recording or displaying drillstring design output data associated with a drillstring in a wellbore in response to input data including wellbore geometry and wellbore trajectory requirements, comprising the steps of:

generating a summary of a drillstring for each hole section of a wellbore in response to said input data, the summary providing a drillstring design for the wellbore geometry of each hole section of the wellbore, the summary of the drillstring in each hole section of said wellbore being selected from a group consisting of:

an outer diameter of a first drill collar of said drillstring, an outer diameter of a second drill collar of said drillstring, an outer diameter of a heavy weight of said drillstring, an outer diameter of a drill pipe of said drillstring, a maximum weight

of a weight-on-bit in each hole section of said drill string, a weight of a first drill collar of said drillstring, a weight of a second drill collar of said drillstring, a weight of a heavy weight of said drillstring, a length of a first drill collar of said drillstring, a length of a second drill collar of said drillstring, a length of a heavy weight of said drillstring, a length of a drill pipe of said drillstring, a tensile risk of said drillstring, a cost figure associated with said drillstring, and a kick tolerance associated with said drillstring; and

recording or displaying said summary of said drill string in said each hole section of said wellbore.

66. (Currently Amended) A program storage device readable by a machine tangibly embodying a program of instructions executable by the machine to perform method steps for generating and recording or displaying drillstring design output data associated with a drillstring in a wellbore in response to input data including wellbore geometry and wellbore trajectory requirements, said method steps comprising:

generating a summary of a drillstring for each hole section of a wellbore in response to said input data, the summary providing a drillstring design for the wellbore geometry of each hole section of the wellbore, the summary of the drillstring in each hole section of said wellbore being selected from a group consisting of:

an outer diameter of a first drill collar of said drillstring, an outer diameter of a second drill collar of said drillstring, an outer diameter of a heavy weight of said drillstring, an outer diameter of a drill pipe of said drillstring, a maximum weight of a weight-on-bit in each hole section of said drill string, a weight of a first drill collar of said drillstring, a weight of a second drill collar of said drillstring, a weight of a heavy weight of said drillstring, a length of a first drill collar of said drillstring, a length of a second drill collar of said drillstring, a length of a heavy weight of said drillstring, a length of a drill pipe of said drillstring, a tensile risk of said drillstring, a cost figure associated with said drillstring, and a kick tolerance associated with said drillstring; and

recording or displaying said summary of said drill string in said each hole section of said wellbore.

67. (Currently Amended) A system adapted for generating and recording or displaying drillstring design output data associated with a drillstring in a wellbore in response to input data including wellbore geometry and wellbore trajectory requirements, comprising:

apparatus adapted for generating a summary of a drillstring for each hole section of a wellbore in response to said input data, the summary providing a drillstring design for the wellbore geometry of each hole section of the wellbore, the summary of the drillstring in each hole section of said wellbore being selected from a group consisting of:

an outer diameter of a first drill collar of said drillstring, an outer diameter of a second drill collar of said drillstring, an outer diameter of a heavy weight of said drillstring, an outer diameter of a drill pipe of said drillstring, a maximum weight of a weight-on-bit in each hole section of said drill string, a weight of a first drill collar of said drillstring, a weight of a second drill collar of said drillstring, a weight of a heavy weight of said drillstring, a length of a first drill collar of said drillstring, a length of a second drill collar of said drillstring, a length of a heavy weight of said drillstring, a length of a drill pipe of said drillstring, a tensile risk of said drillstring, a cost figure associated with said drillstring, and a kick tolerance associated with said drillstring; and

recorder or display apparatus adapted for recording or displaying said summary of said drill string in said each hole section of said wellbore.